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NPIC/R-267/63
November 1963

PHOTOGRAPHIC INTERPRETATION REPORT

ICBM LAUNCH COMPLEX KOZELSK, USSR



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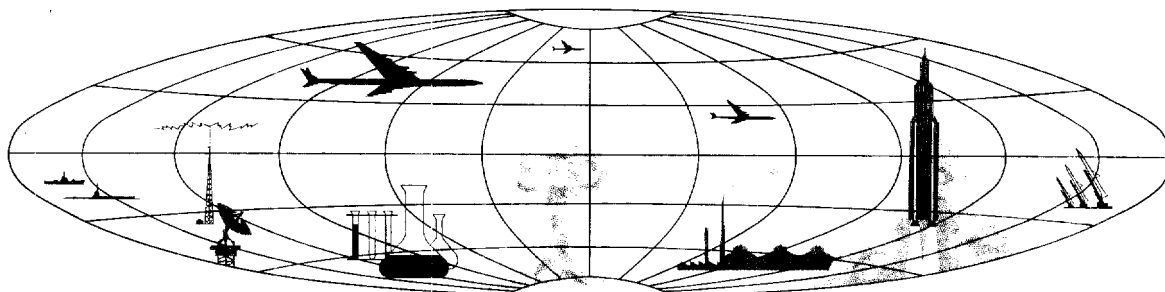
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25X1A

Launch Site A (53-54N 35-44E)
Launch Site B (53-48N 35-47E)
Launch Site C (53-46N 35-41E)
Launch Site D (53-54N 35-51E)
Launch Site E (53-51N 35-41E)

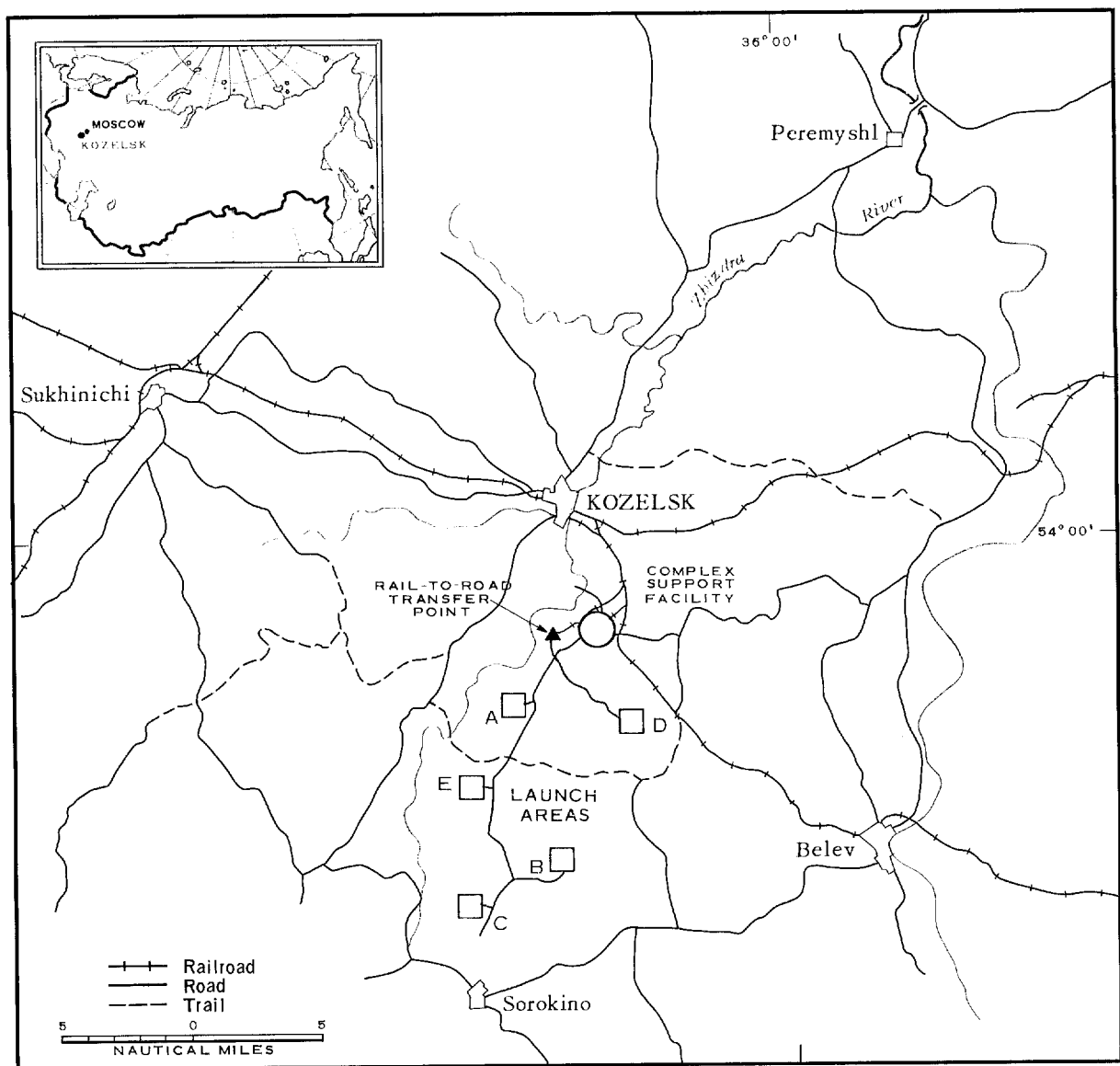


FIGURE 1. LOCATION OF LAUNCH COMPLEX.

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ICBM LAUNCH COMPLEX, KOZELSK, USSR

INTRODUCTION

The Kozelsk ICBM Launch Complex is situated on gently rolling terrain in a forested area about 5.5 nautical miles (nm) south-southeast of the town of Kozelsk (Figure 1). It consists of a complex support facility, a rail-to-road transfer point, four Type IIC launch areas (A, B, C, D), and one Type IIIB launch area (E), extending generally south-southwest for a distance of approximately 13 nm.*

The earliest photographic coverage of the area was in [REDACTED] but the small scale and poor quality of the photography precluded confirmation or negation of the launch complex. Launch Areas B and C were identified on photography of [REDACTED]

but heavy cloud cover prevented observation of the entire complex. A re-examination of photography of [REDACTED] revealed the presence of the complex support facility and Launch Area A. There was evidence of the existence of Launch Area D in [REDACTED] but the site could not be identified until [REDACTED] Launch Area E was identified on photography of [REDACTED] a clearing at the location of the site can be observed on the [REDACTED] photography, and the first recognizable evidence of construction was noted on the [REDACTED] coverage.

No SAM defenses have been identified in the vicinity of the complex.

COMPLEX SUPPORT FACILITY

The complex support facility is located at 53-57N 35-48E, approximately 5.5 nm south-southeast of Kozelsk. It consists of a railhead and storage area 3,300 by 2,300 feet, and an administration and housing area 1,600 by 1,400 feet (Figure 2). The facility is served by a spur from the Kozelsk-Belev rail line, and the com-

plex main road connects it with all other components of the launch complex. No security fencing, power, or communication facilities have been identified.

The spur from the Kozelsk-Belev rail line extends southwest about 1.3 nm to the complex support facility, where one branch curves west and south 2.2 nm to the rail-to-road transfer point and the other turns south 1,300 feet to the railhead and storage area. The railhead consists of four parallel spurs ranging from 1,100 to 3,700 feet in length, and spaced from 160 to 450 feet apart. The storage area west of the railhead has about 35 buildings, most of which measure approximately 160 by 55 feet, a concrete batch plant, and approximately one million square feet of open storage space. The railhead and storage area appears to be complete.

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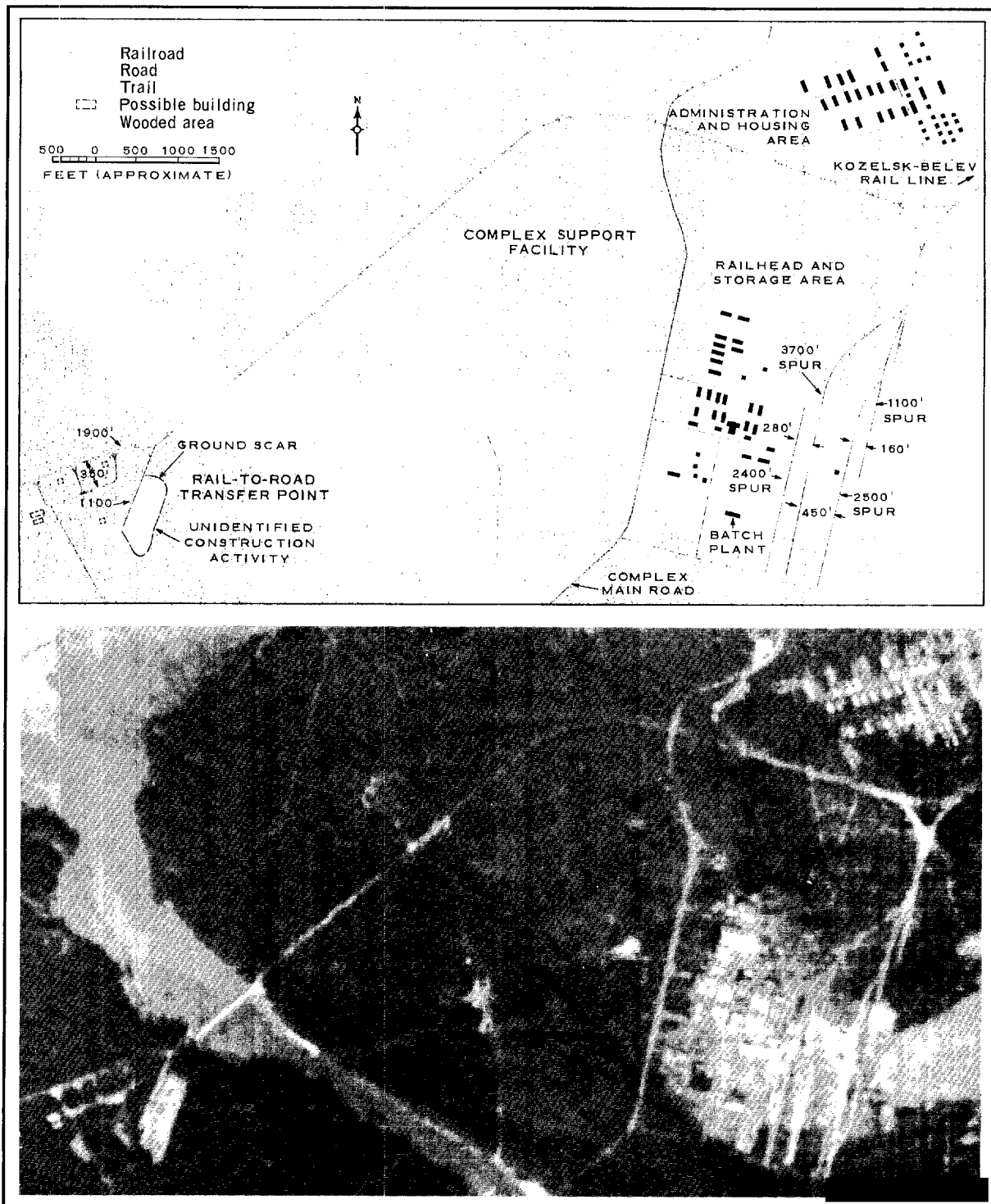


FIGURE 2. COMPLEX SUPPORT FACILITY AND RAIL-TO-ROAD TRANSFER POINT.

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The administration and housing area is situated in a wooded tract about 5,000 feet north of the railhead and storage area. It contains approximately 50 buildings and appears to be complete, but has no apparent security fencing. There appear to be three sizes of buildings, although poor photographic quality precludes an exact determination of numbers, types, or dimensions. The 4 largest buildings are approximately 200 by

60 feet, 18 are approximately 100 by 35 feet, and 24 are approximately 65 by 40 feet.

A probable sand and gravel pit, served directly by two spurs from the Kozelsk-Belev rail line, is located approximately 1,200 feet north of the administration and housing area. It cannot be determined whether the pit, situated in an earth-scarred area approximately 1,400 by 1,000 feet, predates the launch complex.

RAIL-TO-ROAD TRANSFER POINT

The rail-to-road transfer point is located at 53-56N 35-46E, in a wooded tract approximately 2 nm west and south of the complex support facility (Figure 2). It consists of two spurs, 1,900 and 1,100 feet long, which form a V at the terminus of one branch of the main spur from the Kozelsk-Belev rail line. Road access is provided from the longer spur to the complex main road. A service road 350 feet south of the longer spur parallels it for approximately 1,000 feet

and is connected by three crossover driveways; large turning radii characterize the intersections. There are five possible buildings in the area, two of which are within the rectangle described by the longer spur and the service road. Construction activity is apparent in the scarred area adjacent to the shorter spur. No security fencing has been identified in the vicinity of the rail-to-road transfer point.

LAUNCH AREA A

Launch Area A is situated in a wooded tract 3.5 nm south-southwest of the complex support facility (Figure 3). It includes a Type IIC launch site served by an access road with wide-radius turns and a site support facility. The site cannot be negated, as it was present on the earliest usable photography [REDACTED].

The road pattern within the launch site is not clearly defined on available photography, but suggests that the pads are oriented on an azimuth of approximately 295 degrees, plus or minus 5 degrees. No security measures are apparent. The two launch pads are under construction and details cannot be determined; however, the pad

separation will be approximately 870 feet. A missile-ready building approximately 145 by 110 feet lies 900 feet southeast of the left pad, and there is a clearing for a second ready building 900 feet southeast of the right pad. The existing ready building is not canted, and the clearing for the second ready building indicates that it will not be canted. A probable plus configuration is located 1,100 feet southeast of the center of the launch site.

The site support facility is about 1,500 feet east of the launch site. It consists of at least seven buildings, five of which are approximately 160 by 55 feet.

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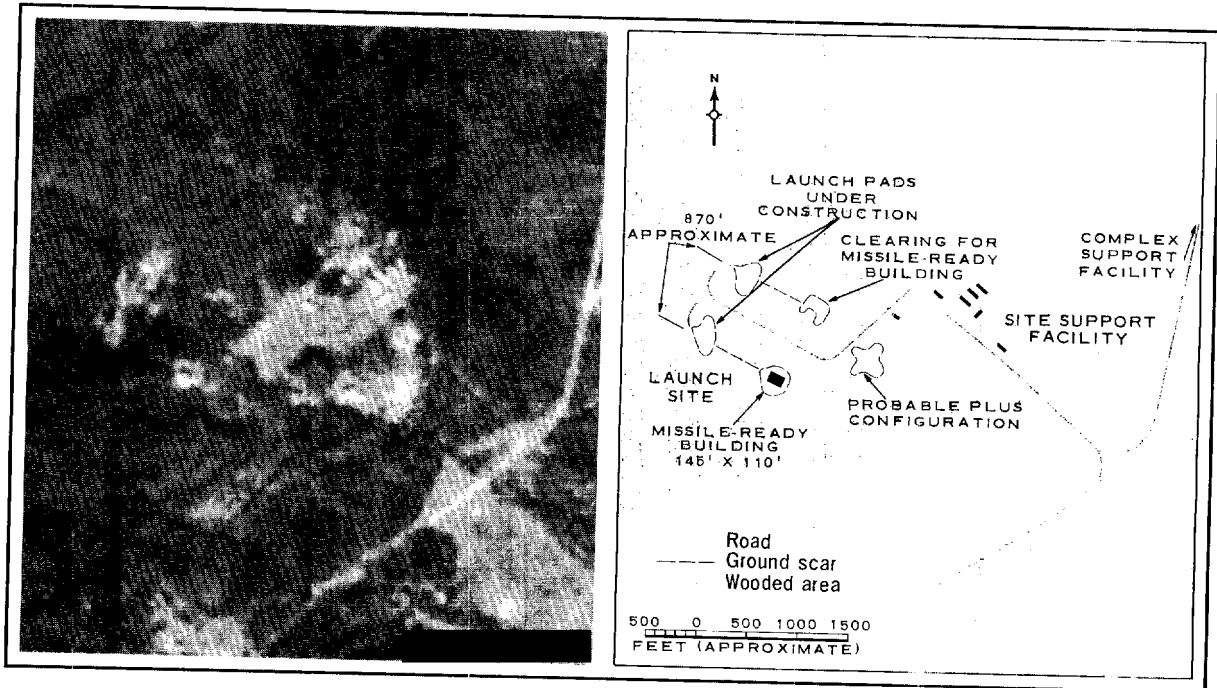


FIGURE 3. LAUNCH AREA A.

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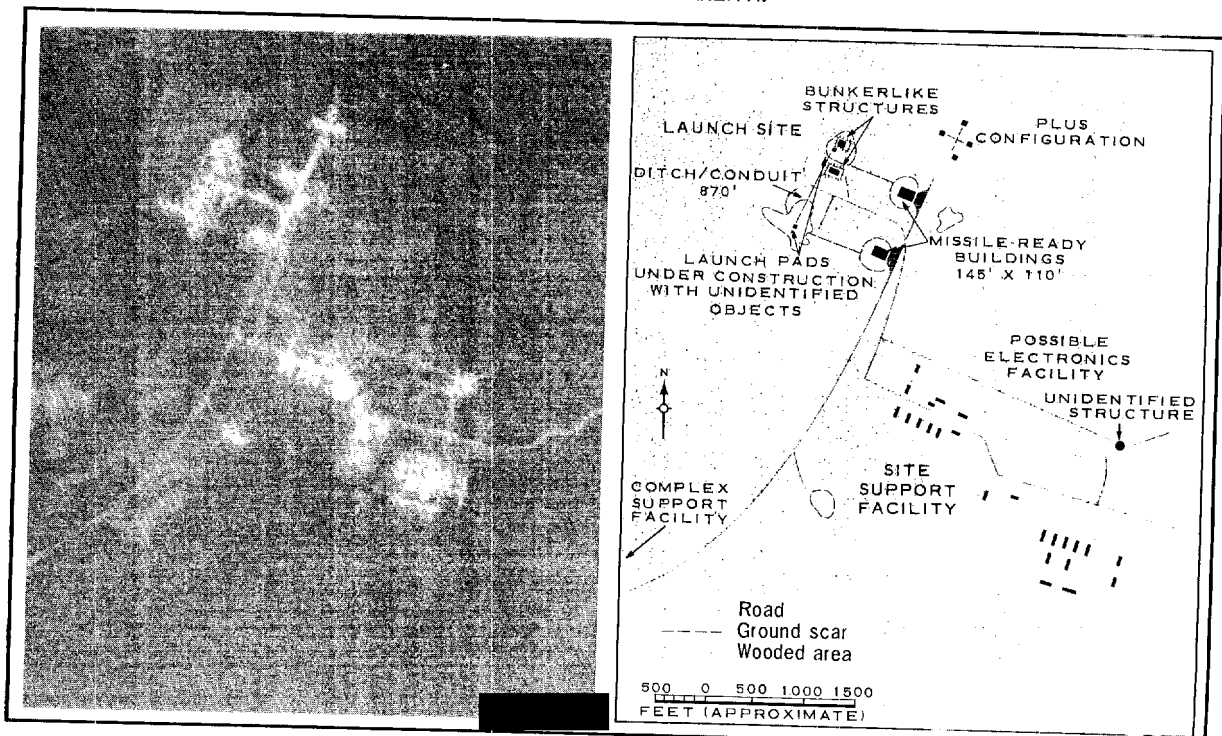


FIGURE 4. LAUNCH AREA B.

NPIC H-5480 (10/63)

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LAUNCH AREA B

Launch Area B, located in a wooded tract 9 nm south of the complex support facility, includes a Type IIC launch site served by an access road with wide-radius turns (Figure 4). The site cannot be negated, as there was no clear usable photography prior to that of [REDACTED] on which it was identified.

The launch site is in a midstage of construction and consists of two launch pads, two missile-ready buildings, a plus configuration, and a possible electronics facility. The site road pattern is incomplete, but the offset center service road and the loops forward of the pads are probably complete. Tracks to the rear of the pads seem to indicate that the roads through the pads may return to the center service road, describing a heart-shaped pattern. There are traces or scars, but no service roads between the missile-ready buildings and the launch pads.

The launch pads are under construction and details are not clear. The existing road pattern suggests a pad orientation of 295 degrees, plus or minus 5 degrees; pad separation will be approximately 870 feet. There appears to be an unidentified object in the center of each pad area,

and a ditch or conduit connecting the pads. Two bunkerlike structures are adjacent to the right pad.

The missile-ready buildings, measuring approximately 145 by 110 feet, are located about 900 feet southeast of the launch pads. The buildings, which appear to be complete, are not canted.

The plus configuration is located 1,350 feet northeast of the center of the launch site. The legs are oriented on azimuths of 115/295 and 025/205 degrees. There is a small structure at the extremity of each of three legs, and a fourth small structure is slightly offset at the extremity of the 205-degree leg. The azimuth from the center of the plus configuration to the offset structure is 195 degrees.

A possible electronics facility is under construction 3,700 feet southeast of the center of the launch site. It consists of one unidentified structure, with a ground scar extending approximately 500 feet northeast on an azimuth of 070 degrees.

The site support facility is located about 3,000 feet southeast of the launch site, center-to-center. It includes about 24 buildings, most of which measure approximately 140 by 45 feet.

LAUNCH AREA C

Launch Area C, located in a wooded tract 11 nm south-southwest of the complex support facility, includes a Type IIC launch site served by an access road with wide-radius turns (Figure 5). The site cannot be negated, as there was no clear usable photography prior to that of [REDACTED] on which it was identified.

The launch site is in a midstage of construction and consists of two launch pads and two probable missile-ready buildings. The site road pattern is incomplete. The offset center service

road is a continuation of the access road and terminates at a point between the launch pads. There is no evidence of a loop road forward of the launch pads, or of road connections between the launch pads and the ready buildings.

The launch pads are under construction and details are not discernible. The existing road alignment indicates a pad orientation of 295 degrees, plus or minus 5 degrees, and pad separation will be approximately 870 feet. The probable missile-ready buildings, situated about 900 feet southeast of the launch pads, do not

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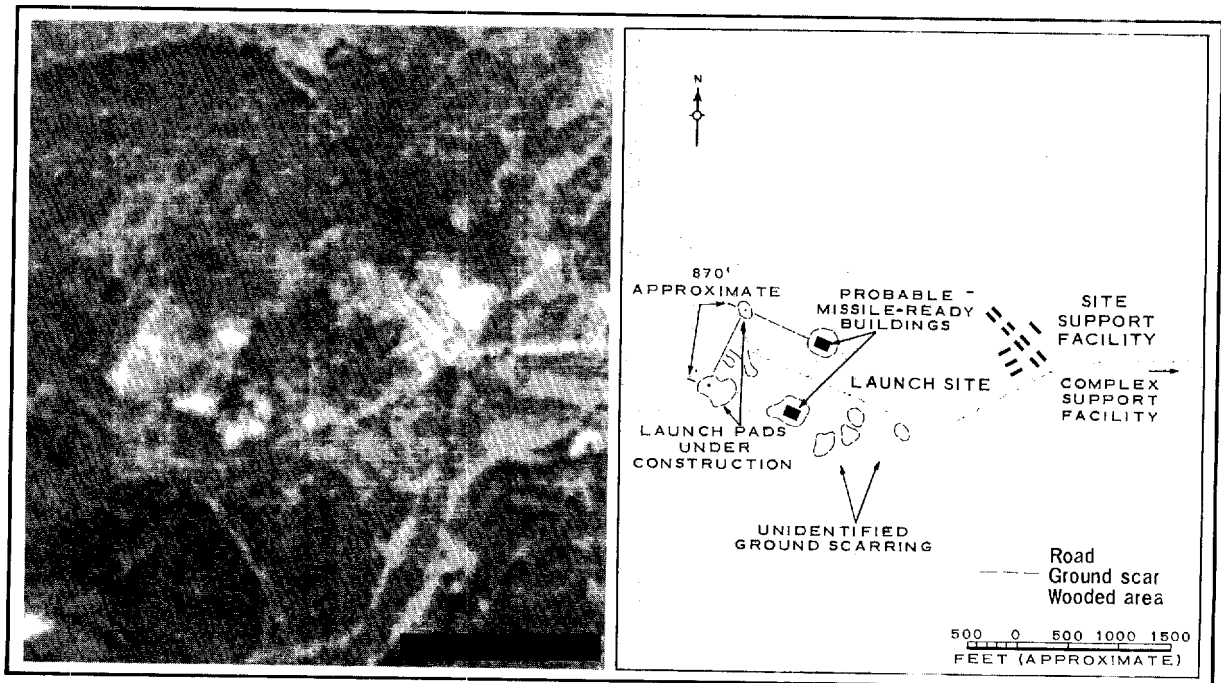


FIGURE 5. LAUNCH AREA C.

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appear to be canted. No plus configuration has been identified at the site but the unidentified ground scarring 400 feet southeast of the left ready building may be its location.

The site support facility is located about 2,300 feet east of the launch site, center-to-center. It includes at least 12 buildings, measuring approximately 140 by 45 feet.

LAUNCH AREA D

Launch Area D, located in a wooded tract 3 nm south-southeast of the complex support facility, includes a Type IIC launch site served by an access road with wide-radius turns (Figure 6). There was evidence of the launch site on photography of [REDACTED] and it was identified in [REDACTED]. No negation date can be given, however, because the area was cloud covered on previous missions.

The launch site is in a midstage of construction and consists of two launch pads, two missile-ready buildings, a probable plus configuration, and an electronics facility. The site road pattern, which is probably complete, differs from those at Type IIB sites. The offset center service road

divides into two forward loops which pass through the launch pads at the left and right extremities and return to the center service road. Ground scars connect the missile-ready buildings and the launch pads, but there are no direct road connections.

The launch pads are under construction and details cannot be determined. The site road pattern indicates a pad orientation of 295 degrees, plus or minus 5 degrees, and pad separation will be approximately 870 feet. The missile-ready buildings, which appear to be complete, measure 145 by 110 feet and lie approximately 900 feet southeast of the launch pads. The ready buildings are not canted. The probable plus config-

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NPIC/R-267/63

uration is located 1,000 feet southeast of the center of the launch site, directly in line with the offset center service road. The electronics facility, with legs approximately 1,200 feet long, is located 4,000 feet east-southeast of the center of the launch site. The legs are oriented on azimuths of 070/250 and 160/340 degrees.

The housing section of the site support fa-

cility lies about 4,800 feet southwest of the launch site, center-to-center. It consists of 10 buildings approximately 140 by 45 feet. A possible technical section, located 1,700 feet southwest of the center of the launch site, includes a loop road and at least six associated buildings. It is connected by road with the launch site and the site support facility.

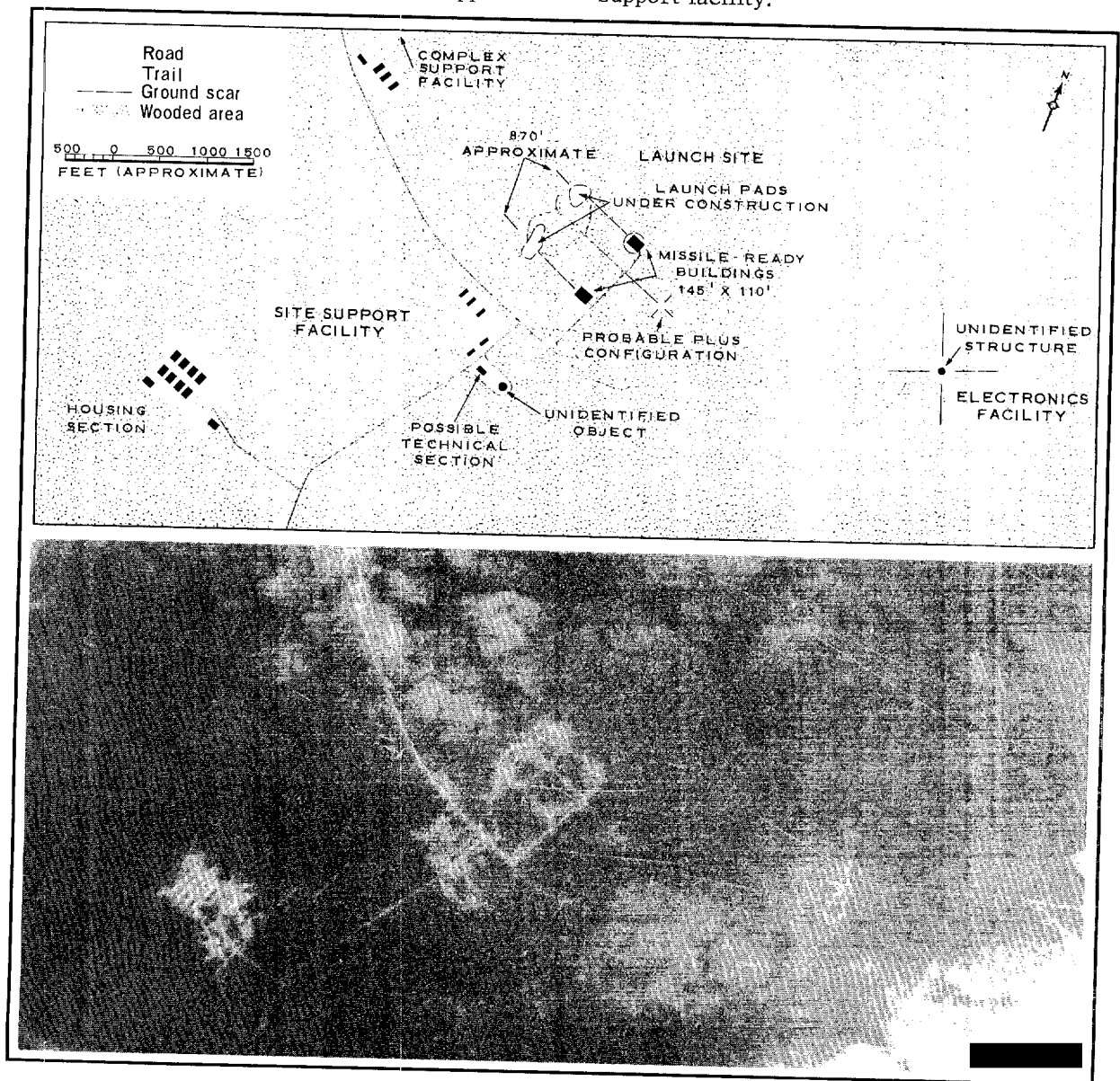


FIGURE 6. LAUNCH AREA D.

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LAUNCH AREA E

Launch Area E, located 7.2 nm south-south-west of the complex support facility, includes a Type IIIB launch site served by an access road with wide-radius turns (Figure 7). The site cannot be negated, as there was evidence of a clearing on the earliest usable photography in

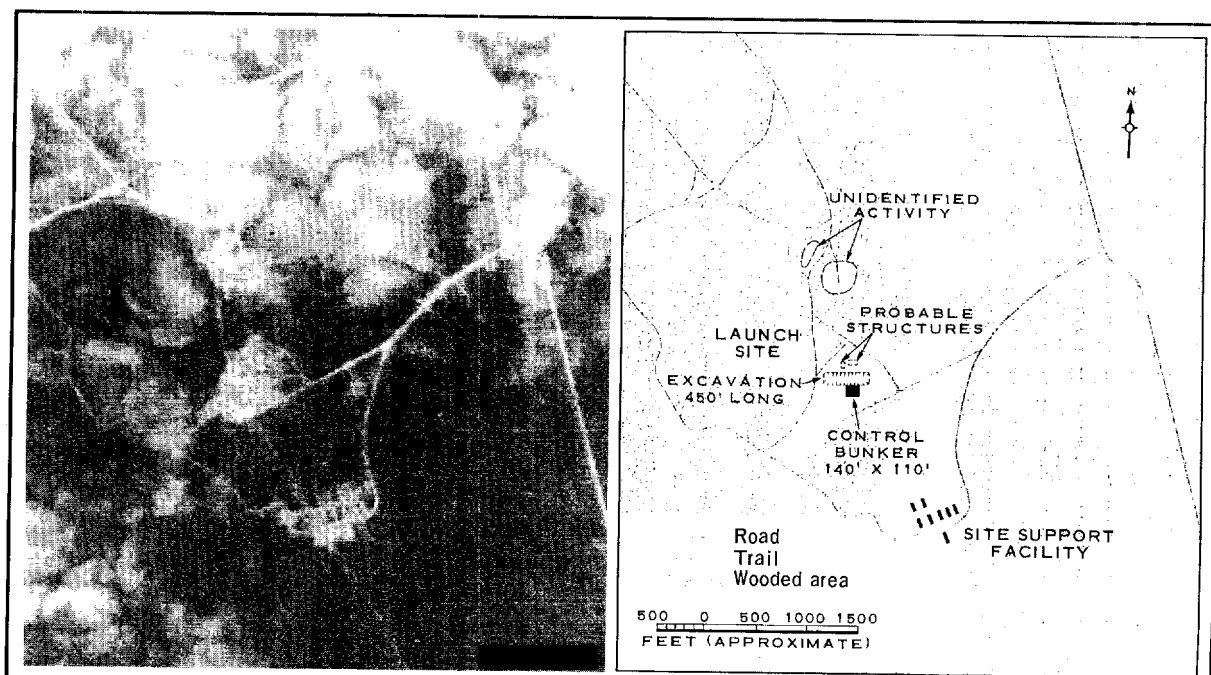
25X1D [REDACTED] The first recognizable evidence of construction was on photography of [REDACTED]

25X1D The excavation at the launch site is approximately 450 feet long, and of undetermined width. The azimuth of the short axis of the excavation is 360 degrees, plus or minus 5 degrees. The control bunker, approximately 140 by 110 feet, is on the south side of the excavation. There are two probable structures, one nearly square and

the other rectangular, on the north side of the excavation. Additional details of the excavation and other components of the launch site cannot be determined because of poor image quality and the small scale of available photography. No security fencing is apparent.

An area of unidentified activity, including a random road pattern and ground scarring, is located about 1,000 feet north of the launch site. Two structures were apparent in the center of the area on the photography of [REDACTED] but they cannot be identified on later coverage.

25X1D The site support facility lies about 1,500 feet south-southeast of the launch site and includes at least eight buildings.



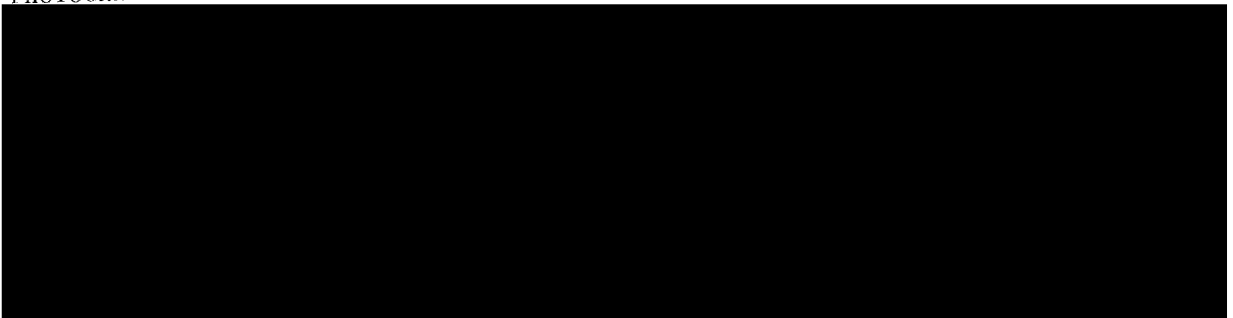
25X1D FIGURE 7. LAUNCH AREA E.

NPIC H-5483 (10/63)

REFERENCES

PHOTOGRAPHY

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MAPS OR CHARTS

SAC. US Air Target Chart, Series 200, Sheet 0167-14A, 1st ed, Nov 58, scale 1:200,000 (SECRET)

RELATED DOCUMENTS

NPIC. R-134/62, ICBM Launch Complex, Kozelsk, USSR, Sep 62 (TOP SECRET CHESS RUFF)

REQUIREMENT

NPIC. PC 339-63

NPIC PROJECT

J-120/63 (partial answer)

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